

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, DC 20231, ON THE DATE INDICATED BELOW.

BY: Monica M. Fawcett

DATE: October 23, 2002

RECEIVED  
NOV 04 2002  
TECH CENTER 1600/2900

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Patent Application of Peter Watts

Conf. No.: 5106

: Group Art Unit: 1615

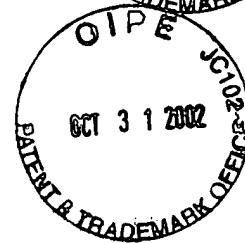
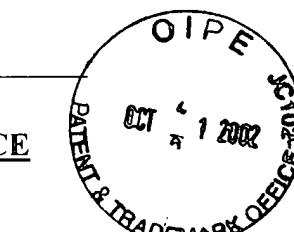
Appln. No.: 09/749,152

: Examiner: Susan T. Tran

Filed: December 27, 2000

Title: COLONIC DRUG DELIVERY  
COMPOSITION

: Attorney Docket  
: No.: 10774-21U1



14/Few +  
Powers  
atly

**REVOCATION AND APPOINTMENT OF ATTORNEY BY ASSIGNEE AND  
STATEMENT UNDER 37 C.F.R. §3.73(b)**

The undersigned states that she is authorized to sign the document on behalf of the assignee of the above application, that the evidentiary documents relating to the assignment of the above application have been reviewed, and she certifies that, to the best of assignee's knowledge and belief, title to the above application is in assignee by virtue of assignments in parent application number 08/765,347, now U.S. Patent No. 6,228,396 from the inventor to Danbiosyst UK Limited, recorded in the U.S. Patent and Trademark Office on January 6, 1997 at Reel 8439, Frame 0240 and from Danbiosyst UK Limited to West Pharmaceutical Services Drug Delivery & Clinical Research Centre Limited, recorded in the U.S. Patent and Trademark Office on February 1, 2000 at Reel 010567, Frames 0980. Copies of the assignments in the chain of title are attached.

West Pharmaceutical Services Drug Delivery & Clinical Research Centre Limited, assignee of the entire right, title and interest of the above application, by its undersigned representative, hereby revokes all previous Powers of Attorney and appoints the registered

attorneys and agents associated with Customer No. 000570, Akin, Gump, Strauss, Hauer & Feld, L.L.P., as its attorneys or agents with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please address all correspondence to **Customer No. 000570, namely, AKIN, GUMP, STRAUSS, HAUER & FELD, L.L.P.**, One Commerce Square, 2005 Market Street, Suite 2200, Philadelphia, Pennsylvania 19103. Please direct all communications and telephone calls to **William W. Schwarze** at 215-965-1270 (telephone) or 215-965-1210 (facsimile).

Respectfully submitted,

West Pharmaceutical Services Drug Delivery & Clinical Research Centre Limited

16 Oct 02

Date

By: JGraver

Jane Graver  
Company Secretary and Director of Administration

5/1974

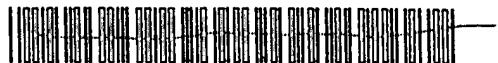
DAN 100



MAY 23, 1997

PATREA L. PABST, ESQ.  
1201 W. PEACHTREE ST.  
2800 ONE ATLANTIC CTR.  
ATLANTA, GA 30309-3450

RECEIVED  
NOV 1 2002  
TECH CENTER 1600/2900  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231



\*100393514A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/10/1997

REEL/FRAME: 8439/0240  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
WATTS, PETER

DOC DATE: 01/06/1997

ASSIGNEE:  
DANBIOSYST UK LIMITED  
ALBERT EINSTEIN CENTRE, HIGHFIELDS SCIENCE PARK  
NOTTINGHAM, UNITED KINGDOM NG7 2TN

SERIAL NUMBER: 08765347  
PATENT NUMBER:

FILING DATE: 02/10/1997  
ISSUE DATE:

MAURICE CARTER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

JUN 02 1997

O 2-22-97 5610

#40. A-581 A/2

M.P.D.-1505

2-10-97

## RECORDATION FORM &amp; COVER SHEET

PATENT

04-15-1997

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademark

Name of conveying party(ies): 2-10-97

Peter Watts

Additional name(s) of conveying party(ies) attached?  Yes  No

Nature of conveyance:

- Assignment       Merger  
 Security Agreement       Change of Name  
 Other \_\_\_\_\_

Execution Date: January 6, 1997



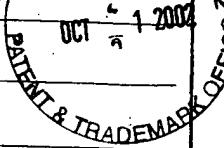
100393514

Documents or copy thereof

party(ies): OTC F

Name: Danbiosyst UK Limited

Internal Address: \_\_\_\_\_



Street Address: Albert Einstein Centre

Highfields Science Park

City: Nottingham State: UK ZIP: NG7 2TN

Additional name(s) & address(es) attached?  Yes  No

Application number(s) or patent number(s): 08 765,347

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

08/765,347

B. Patent No.(s)

Additional numbers attached?  Yes  No

i. Name and address of party to whom correspondence concerning document should be mailed:

Name: Patrea L. Pabst, Esq.

Internal Address: 2800 One Atlantic Ctr.

Street Address: 1201 W. Peachtree St.

City: Atlanta State: GA ZIP: 30309-3450

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

 Enclosed Authorized to be charged to deposit account

8. Deposit account number:

01-2507

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Patrea L. Pabst

Name of Person Signing

Signature

4/7/97

Date

Total number of pages comprising cover sheet:

RECEIVED  
NOV 04 2002  
TECH CENTER 1600/2000

## ASSIGNMENT

I, Peter Watts of Flat 2, 47 Highfield Road, West Bridgford, Nottingham NG2 6DR in consideration of One Dollar and other valuable consideration paid to us by Danbiosyst UK Limited a corporation of the England, having its principal place of business Albert Einstein Centre, Highfields Science Park, Nottingham, NG7 2TN, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Danbiosyst UK Limited its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in Controlled release drug delivery described in an application executed by one of even date herewith and about to be filed Serial No. 08/765,347 filed on December 19, 1996 in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 6<sup>th</sup> day of January 1997

P. F. Watts

(Peter Watts)



APRIL 27, 2000

PTAS

ARNALL GOLDEN & GREGORY, LLP  
PATREA L. PABST, ESQ.  
2800 ONE ATLANTIC CENTER  
1201 WEST PEACHTREE STREET  
ATLANTA, GA 30309-3450

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231



\*101284135A

NOV 04 2002

RECEIVED  
TECH CENTER 1600/2300

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/01/2000

REEL/FRAME: 010567/0980  
NUMBER OF PAGES: 5

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
DANBIOSYST UK LIMITED

DOC DATE: 03/04/1999

ASSIGNEE:  
WEST PHARMACEUTICAL SERVICES DRUG  
DELIVERY & CLINICAL RESEARCH  
CENTRE LIMITED  
ALBERT EINSTEIN CENTRE, NOTTINGHAM  
SCIENCE AND TECHNOLOGY PARK  
UNIVERSITY BOULEVARD  
NOTTINGHAM, ENGLAND NG7 2TN

RECEIVED

MAY 03 2000

PATENT DEPT.

SERIAL NUMBER: 08234723  
PATENT NUMBER:

FILING DATE: 04/28/1994  
ISSUE DATE:

SERIAL NUMBER: 08765347  
PATENT NUMBER:

FILING DATE: 02/10/1997  
ISSUE DATE:

SERIAL NUMBER: 08776470  
PATENT NUMBER:

FILING DATE: 03/28/1997  
ISSUE DATE:

DOCKETED FOR \_\_\_\_\_  
JSH  
5-10-00

SERIAL NUMBER: 08983156	FILING DATE: 03/30/1998
PATENT NUMBER: 6001395	ISSUE DATE: 12/14/1999
SERIAL NUMBER: 09000039	FILING DATE: 03/30/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09011306	FILING DATE: 03/30/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09059646	FILING DATE: 04/13/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09088185	FILING DATE: 06/01/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09094959	FILING DATE: 06/15/1998
PATENT NUMBER: 5928669	ISSUE DATE: 07/27/1999
SERIAL NUMBER: 09101254	FILING DATE: 08/03/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09155235	FILING DATE: 10/30/1998
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09214527	FILING DATE: 04/07/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09214561	FILING DATE: 04/07/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09214580	FILING DATE: 03/30/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09269903	FILING DATE: 05/06/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 07004189	FILING DATE: 01/15/1987
PATENT NUMBER: 4904479	ISSUE DATE: 02/27/1990
SERIAL NUMBER: 07469443	FILING DATE: 04/09/1990
PATENT NUMBER: 5204108	ISSUE DATE: 04/20/1993
SERIAL NUMBER: 08167611	FILING DATE: 12/14/1993
PATENT NUMBER: 5554388	ISSUE DATE: 09/10/1996
SERIAL NUMBER: 08256431	FILING DATE: 07/12/1994
PATENT NUMBER: 5629011	ISSUE DATE: 05/13/1997
SERIAL NUMBER: 08190022	FILING DATE: 07/08/1994
PATENT NUMBER: 5648095	ISSUE DATE: 07/15/1997
SERIAL NUMBER: 08412094	FILING DATE: 03/28/1995
PATENT NUMBER: 5690954	ISSUE DATE: 11/25/1997

010567/0980 PAGE 3

SERIAL NUMBER: 08359937  
PATENT NUMBER: 5707644

FILING DATE: 12/20/1994  
ISSUE DATE: 01/13/1998

SERIAL NUMBER: 08260611  
PATENT NUMBER: 5725871

FILING DATE: 06/15/1994  
ISSUE DATE: 03/10/1998

SERIAL NUMBER: 08576877  
PATENT NUMBER: 5744166

FILING DATE: 12/21/1995  
ISSUE DATE: 04/28/1998

SERIAL NUMBER: 08374671  
PATENT NUMBER: 5792475

FILING DATE: 04/14/1995  
ISSUE DATE: 08/11/1998

SERIAL NUMBER: 08877273  
PATENT NUMBER: 5804212

FILING DATE: 06/17/1997  
ISSUE DATE: 09/08/1998

SERIAL NUMBER: 08809158  
PATENT NUMBER: 5840341

FILING DATE: 04/21/1997  
ISSUE DATE: 11/24/1998

SERIAL NUMBER: 08899976  
PATENT NUMBER: 5863554

FILING DATE: 07/24/1997  
ISSUE DATE: 01/26/1999

SERIAL NUMBER: 08750738  
PATENT NUMBER: 5869103

FILING DATE: 04/04/1997  
ISSUE DATE: 02/09/1999

SERIAL NUMBER: 09094959  
PATENT NUMBER: 5928669

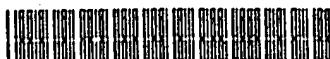
FILING DATE: 06/15/1998  
ISSUE DATE: 07/27/1999

SERIAL NUMBER: 08553401  
PATENT NUMBER: 5935604

FILING DATE: 07/01/1996  
ISSUE DATE: 08/10/1999

DIANE RUSSELE, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

03-02-2000



REC'D BY  
20 FEB - 1 AM 10:22

101284135

U.S. Department of Commerce  
Patent and Trademark Office

OCT 6 1 2002  
PATENT & TRADEMARK OFFICE  
RECEIVED  
U.S. PATENT AND TRADEMARK OFFICE  
OCT 31 2002

PATENT & TRADEMARK OFFICE  
RECEIVED  
NOV 04 2002  
TECH CENTER 1600X2000

OPR/FINANCE

RECORDATION FORM COVER SHEET  
PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- New  
 Resubmission (Non-Recordation)  
Document ID#   
 Correction of PTO Error  
Reel #  Frame #   
 Corrective Document  
Reel #  Frame #

Conveyance Type

- Assignment  Security Agreement  
 License  Change of Name  
 Merger  Other   
**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)  
 Departmental File  Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached Execution Date  
Month Day Year

03041999

Name (line 1)  Danbiosyst UK Limited

Name (line 2)

Execution Date  
Month Day Year

Second Party

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)  West Pharmaceutical Services Drug Delivery & Clinical Research Centre Limited

If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the United  
States, an appointment  
of a domestic  
representative is attached.  
(Designation must be a  
separate document from  
Assignment.)

Name (line 2)

Address (line 1)  Albert Einstein Centre, Nottingham Science and Technology Park

Address (line 2)  University Boulevard

Address (line 3)  Nottingham City  England State/Country  NG7 2TN Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

FOR OFFICE USE ONLY

03/02/2000 DNGUYEN 00000060 09101254

01 EC:581

1240.00 OP

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to: West/General 20260/2  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**Correspondent Name and Address**

Area Code and Telephone Number **(404) 873-8794**

Name **Patrea L. Pabst, Esq.**

Address (line 1) **Arnall Golden & Gregory, LLP**

Address (line 2) **2800 One Atlantic Center**

Address (line 3) **1201 West Peachtree Street**

Address (line 4) **Atlanta, GA 30309-3450**

*RECEIVED  
NOV 04 2002  
TECH CENTER 1600/2900*

**Pages** Enter the total number of pages of the attached conveyance document including any attachments. # **2**

**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

**Patent Number(s)**

**08234723**

**08983156**

**09059646**

**4904479**

**5629011**

**5707644**

**08765347**

**09000039**

**09088185**

**5204108**

**5648095**

**5725871**

**08776470**

**09011306**

**09094959**

**5554388**

**5690954**

**5744166**

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month **Day** Year

**Patent Cooperation Treaty (PCT)**

PCT  PCT  PCT

Enter PCT application number

only if a U.S. Application Number PCT  PCT  PCT   
has not been assigned.

**Number of Properties**

Enter the total number of properties involved.

# **31**

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ **1,240.00**

Method of Payment:

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# **01-2507**

Authorization to charge additional fees:

Yes

No

**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

**Kevin W. King**

Name of Person Signing

Reg. No.: **42,737**

*Kevin W. King*

Signature

**18 JAN. 2000**

Date

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date  
Month Day Year

Execution Date  
Month Day Year

Name (line 2)

RECEIVED  
NOV 04 2002

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

**Receiving Party(ies)**

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the United  
States, an appointment  
of a domestic representative  
is attached. (Designation  
must be a separate  
document from  
Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the United  
States, an appointment of a  
domestic representative is  
attached. (Designation must  
be a separate document from  
Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

09101254

09269903

5792475

5928669

09155235

5804212

5935604

09214527

5840341

09214561

5863554

09214580

5869103



RECEIVED  
NOV 04 2002  
TECH CENTER 1600/2900

## THE COMPANIES ACT 1985

Company No. 2360391

The Registrar of Companies for England and Wales hereby certifies that

**WEST PHARMACEUTICAL SERVICES DRUG DELIVERY &  
CLINICAL RESEARCH CENTRE LIMITED**

formerly called **DANBIOSYST UK LIMITED**

which name was changed by special resolution was incorporated under the  
**Companies Act 1985**

as a limited company on the **13th March 1989** and that the certificate of incorporation altered to meet the circumstances of the case was issued on the **4th March 1999**

Given at Companies House, Cardiff, the **2nd August 1999**

*P. Gustavson*

for the Registrar of Companies

I, Ian Mark Dee, of 10 Tennis Mews, The Park, Nottingham, England, a Chartered Patent Attorney, European Patent Attorney and Partner in the firm of Eric Potter Clarkson hereby certify that the attached is a true copy of the Certificate of Incorporation on change of Name as issued by the Registrar of Companies for England and Wales.

Signed: Ian Dee

IAN MARK DEE

Date: 22 September 1999

Place: Nottingham, England